

# VOLUME 50 · CONTENTS

No 1 JANUARY 1991

- 1 Editor's resumé
- Leader**
- 3 Population projections and the effect on rheumatology *E M Badley*
- Notes and news**
- 7 Heberden papers • Hypertrophic osteoarthropathy • Spinal disorders: a holistic approach • Back pain
- Book review**
- 7 A Textbook and Colour Atlas of the Temporomandibular Joint—Diseases; Disorders; Surgery
- Scientific papers**
- 8 Study of 500 patients with limb joint osteoarthritis. I. Analysis by age, sex, and distribution of symptomatic joint sites *Janet Cushman, Paul Dieppe*
- 14 Magnetic resonance imaging in osteoarthritis of the knee: correlation with radiographic and scintigraphic findings *T E M McAlindon, I Watt, F McCrae, P Goddard, P A Dieppe*
- 20 Pattern of osteoarthritis in a West African teaching hospital *A O Adebojo*
- 23 Osteoarticular complications of brucellosis *Juan de Dios Colmenero, José María Reguera, Antonio Fernández-Nebro, Francisco Cabrera-Franquelo*
- 27 Production of intracellular and extracellular interleukin-1 $\alpha$  and interleukin-1 $\beta$  by peripheral blood monocytes from patients with connective tissue diseases *S Aotsuka, K Nakamura, T Nakano, M Kawakami, M Goto, M Okawa-Takatsuji, M Kinoshita, R Yokohari*
- 32 C reactive protein and immunoglobulin G in synovial fluid and serum in joint disease *B Shine, J T Bourne, F Begum Baig, Jane Dacre, D V Doyle*
- 36 Bronchial hyperresponsiveness to methacholine in patients with primary Sjögren's syndrome *Björn Gudbjörnsson, Hans Hedenström, Gunnemar Stålenheim, Roger Hällgren*
- 41 A controlled study of stanozolol in primary Raynaud's phenomenon and systemic sclerosis *Malcolm I V Jayson, Christopher D Holland, Anita Keegan, Karen Illingworth, Lesley Taylor*
- Case reports**
- 48 Raynaud's phenomenon as initial manifestation of cutaneous polyarteritis nodosa *Jose L Andreu-Sanchez, Jose M Martin-Santos, Carlos Isasi-Zaragoza, Angeles Trujillo-Castellanos, Eduardo Cuende-Quintana, Juan Mulero*
- 51 Muscle cramps in the calf as presenting symptom of sarcoidosis *M Janssen, B A C Dijkmans, F Eulderink*
- 53 Palmar fasciitis and arthritis in a patient with an extraovarian adenocarcinoma of the coelomic epithelium *P H B Willemsse, N H Mulder, H J van de Tempel, J G Aalders, D Th Sleijfer*
- 55 Eosinophilic fasciitis associated with L-tryptophan ingestion *Maurice E Hamilton*
- Rapid report**
- 57 Degradation of human cartilage by synovial fluid but not cytokines in vitro *Anthony P Hollander, Roger M Atkins, Deborah M Eastwood, Paul A Dieppe, Christopher J Elson*
- Dispatch**
- 59 From Scandinavia *Frank A Wollheim*
- Now and then**
- 61 Do you need to write a thesis? *M L Snaith*
- Review**
- 62 The familial nature of rheumatoid arthritis *C M Deighton, D J Walker*
- Letters to the editor**
- 66 Pulsed methylprednisolone therapy in rheumatoid arthritis *F Evard, V Neumann, R Hopkins, V Wright*
- 66 Brown's syndrome: an unusual ocular complication of rheumatoid arthritis *P Hickling, Marilyn Beck*
- 66 Magnetic resonance imaging *Ralph J Curtis*
- 67 Bilateral pseudothrombophlebitis *R Cunillera, J M Porcel, J Ordi, M Vilardell*
- 67 Cytomegalovirus pneumonia in a patient with rheumatoid arthritis treated with low dose methotrexate and prednisone *D Clerc, C Brousse, X Mariette, P Bennet, M Bisson*
- Encore**
- 68 A look at recent publications

No 2 FEBRUARY 1991

- Journal summary**
- 69 Editor's resumé
- Leaders**
- 71 Pregnancy and its effect on the risk of developing rheumatoid arthritis *J M W Hazes*
- 72 Oral contraception and its possible protection against rheumatoid arthritis *J M W Hazes, D van Zeben*
- Scientific papers**
- 75 In vivo studies of cartilage regeneration after damage induced by catabolin/interleukin-1 *D P Page Thomas, B King, T Stephens, J T Dingle*
- 81 Chain breaking antioxidant status in rheumatoid arthritis: clinical and laboratory correlates *R D Sinnayake, D I Thurnham, S Kootathap, S Chirico, J Lunec, M Davis, B McConkey*
- 87 Bacterial antigens in synovial biopsy specimens in yersinia triggered reactive arthritis *R Merilahti-Palo, K-O Söderström, R Laheesmaa-Rantala, K Granfors, A Toivanen*
- 91 Intestinal permeability in patients with yersinia triggered reactive arthritis *Riitta Laheesmaa-Rantala, Karl-Eric Magnusson, Kaisa Granfors, Rauli Leino, Tommy Sundqvist, Auli Toivanen*
- 95 Mortality from scleroderma in England and Wales 1968–1985 *Alan J Silman*
- 97 Types of atrophic gastritis in patients with primary Sjögren's syndrome *Gy Pokorny, Gizella Karacsony, J Lonovics, J Hudák, J Németh, V Varró*
- 101 Diagnostic value of synovial fluid microscopy: a reassessment and rationalisation *A J Freemont, J Denton, A Chuck, P J L Holt, M Davies*
- 108 Autosomal dominant transmission of gouty arthritis with renal disease in a large Japanese family *Naoto Yokota, Hisashi Yamanaka, Yoshitaka Yamamoto, Shouichi Fujimoto, Tanenao Eto, Kenjiro Tanaka*
- Case reports**
- 112 Sporotrichal arthritis *Geeta Chowdhary, Arthur Weinstein, Robert Klein, Bento R Mascarenhas*
- 115 Behçet's disease in a patient with immunodeficiency virus infection *Dan Buskila, Dafna D Gladman, Janet Gilmore, Irving E Salit*

- Masterclass**  
 117 Spondylodiscitis and pseudarthrosis in a patient with enteropathic spondyloarthritis *A Calin, D Robertson*
- Hypothesis**  
 120 Role of cytological analysis of synovial fluid in diagnosis and research *A J Freemont*
- Review**  
 124 Hypoxia and inflammatory synovitis: observations and speculation *C R Stevens, R B Williams, A J Farrell, D R Blake*
- Letters to the editor**  
 133 Elastase- $\alpha_1$  proteinase inhibitor assay *Arnulf Heubner, Bärbel Utz; R E Banks, S W Evans, J T Whicher, K F Taylor, H A Bird* • Seronegative rheumatoid arthritis associated with AIDS *A M Jaffer* • A case of chronic Lyme arthritis in England *K K Chakravarty, M Webley, G D Summers*
- Encore**  
 136 A look at recent publications

No 3 MARCH 1991

- Journal summary**  
 137 Editor's resumé
- Leaders**  
 139 Oestrogens, joint disease, and cartilage *C L Chander, T D Spector*
- Notes and news**  
 141 Blind and disabled customers' telephone calls • Interscience world conference on inflammation • Health professionals in rheumatology • BSR basic course in rheumatology • McLeod/ARC chair in rheumatology
- Book review**  
 141 New Technologies in Metabolic Bone Disease
- Scientific papers**  
 142 Production of IgM rheumatoid factor by normal lymphocytes after stimulation with preparations containing IgM rheumatoid factor from patients with juvenile rheumatoid arthritis *Gideon Nesher, Terry L Moore, Thomas G Osborn, Robert W Dorner*  
 147 Neutrophils isolated from the synovial fluid of patients with rheumatoid arthritis: priming and activation in vivo *Heather L Nurcombe, Roger C Bucknall, Steven W Edwards*  
 154 Differences in HLA-B27 positive and negative patients with ankylosing spondylitis: study of clinical disease activity and concentrations of serum IgA, C reactive protein, and haptoglobin *Thomas L Reynolds, Muhammad A Khan, Sjeff van der Linden, Ronald P Cleveland*  
 158 A longitudinal study of back pain and radiological changes in the lumbar spines of middle aged women. I. Clinical findings *D P M Symmons, A M van Hemert, J P Vandenbroucke, H A Valkenburg*  
 162 A longitudinal study of back pain and radiological changes in the lumbar spines of middle aged women. II. Radiographic findings *D P M Symmons, A M van Hemert, J P Vandenbroucke, H A Valkenburg*  
 167 Relation between antinuclear antibodies and the autoimmune rheumatic diseases and disease type and activity in systemic lupus erythematosus using a variety of cultured cell lines *J Sequi, I Leigh, D A Isenberg*  
 173 Anticardiolipin antibodies in patients from Malaysia with systemic lupus erythematosus *H W Jones, R Ireland, G Senaldi, F Wang, M Khamashta, A J Bellingham, K Veerapan, G R V Hughes, D Vergani*
- Case reports**  
 176 Chronic lupus peritonitis with ascites *Phaedon Kaklamanis, George Vayopoulos, George Stamatelos, Gregory Dadinas, George C Tsokos*  
 178 Protein losing enteropathy associated with collagen diseases *Akito Tsutsumi, Takao Sugiyama, Ryutaro Matsumura, Makoto Sueishi, Katsuhiko Takabayashi, Takao Koike, Hisao Tomioka, Sho Yoshida*  
 182 Transient arthritis with positive tests for rheumatoid factor as presenting sign of shunt nephritis *E J ter Borg, M H Van Rijswijk, C G M Kallenberg*  
 184 Rhabdomyolysis after intramuscular iron-dextran in malabsorption *W D Foulkes, C Sewry, J Calam, H J F Hodgson*  
 187 Anterolateral rupture of popliteal cysts in rheumatoid arthritis *B Kirkham, M Churchill, B Dasgupta, L Wedderburn, J Spencer, D G Macfarlane*
- Dispatch**  
 189 From America: Manpower, money, and cookbook medicine *Matthew H Liang*
- Review**  
 191 Polymyositis/dermatomyositis: the current position *A Urbano-Marquez, Jordi Casademont, Josep M Grau*
- Viewpoint**  
 196 A pathological role for damaged hyaluronan in synovitis *E B Henderson, M Grootveld, A Farrell, E C Smith, P W Thompson, D R Blake*
- Letters to the editor**  
 201 The hypermobility syndrome *Patrick Klemp; R Grahame*  
 201 Mineral bath therapy in arthritis *I Machtey; S Sukenik*  
 202 Pulsed methylprednisolone for rheumatoid arthritis *Malcolm D Smith*  
 202 Effects of eel calcitonin on rheumatoid arthritis *Sumihisa Aida*
- Acknowledgments**  
 203 To assessors in 1990
- Encore**  
 204 A look at recent publications

No 4 APRIL 1991

- Journal summary**  
 205 Editor's resumé
- Leader**  
 207 Prophylaxis against non-steroidal induced upper gastrointestinal side effects *I Barrison*
- Notes and news**  
 210 Congress of the African League Against Rheumatism • Applied epidemiology • Thanks
- Book reviews**  
 210 Sjögren's Syndrome: A Model for Understanding Autoimmunity: 2nd International Symposium • MRI of the Musculoskeletal System: A Teaching File

# Scientific papers

- 211 Psychological profiles of patients with upper gastrointestinal symptomatology induced by non-steroidal anti-inflammatory drugs *Angela Jubry, Paul Davis*
- 214 Synovial fluid pyrophosphate and nucleoside triphosphate pyrophosphatase: comparison between normal and diseased and between inflamed and non-inflamed joints *Martin Patrick, Edith Hamilton, June Hornby, Michael Doherty*
- 219 Effects of hydrogen peroxide on the metabolism of human rheumatoid and osteoarthritic synovial fibroblasts in vitro *Nongporn Huiadilok, Margaret M Smith, Peter Ghosh*
- 227 Echocardiographic diastolic abnormalities of the left ventricle in inflammatory joint disease *I F Rowe, D G Gibson, A C S Keat, D A Brewerton*
- 231 Characterisation of the size and composition of circulating immune complexes in patients with rheumatoid arthritis *R A Mageed, J R Kirwan, P W Thompson, D A McCarthy, E J Holborow*
- 237 Activation of the neutrophil myeloperoxidase-H<sub>2</sub>O<sub>2</sub> system by synovial fluid isolated from patients with rheumatoid arthritis *Heather L Nurcombe, Roger C Bucknall, Steven W Edwards*
- 243 Circadian rhythm in pain, stiffness, and manual dexterity in rheumatoid arthritis: relation between discomfort and disability *Nicholas Bellamy, Robert B Sothorn, Jane Campbell, W Watson Buchanan*
- 249 Complement activation by anticardiolipin antibodies *Mittermayer B Santiago, Nelson Gaburo Jr, Ricardo M de Oliveira, Wilson Cossermelli*
- 251 Influence of C4 null alleles on C4 activation in systemic lupus erythematosus *D C Briggs, G Senaldi, D A Isenberg, K I Welsh, D Vergani*

# Case reports

- 255 Pure red cell aplasia caused by D-penicillamine treatment of rheumatoid arthritis *M Tishler, Y Kahn, M Yaron*
- 257 Adult onset Still's disease and related renal amyloidosis *Daniel Wendling, Philippe G Humbert, Claude Billerey, Thierry Fest, Jean L Dupond*
- 260 Scleroderma 'en coup de sabre' *J David, J Wilson, P Woo*

# Masterclass

- 263 Investigation and management of gout in the young and the elderly *P A Dieppe*

# Review

- 267 Scleroderma and survival *Alan J Silman*

# Letters to the editor

- 270 Systemic sclerosis and porphyria cutanea tarda *J M Porcel, A Mirada, R Jordana, A Muñoz*
- 270 Increased concentrations of soluble interleukin-2 receptor in the serum of patients with systemic sclerosis *Paolo Airo, Marialuia Bettinzioli, Roberto Gorla, Roberto Cattaneo*
- 271 Nature of the ossicular joints and their involvement in rheumatoid arthritis *A E Camilleri*
- 271 Ankylosing spondylitis and selective IgA deficiency *I L McLean, B L Kidd, P W Thompson, M I D Cawley*

# Encore

- 272 A look at recent publications

# Journal summary

- 273 Editor's resumé

# Leader

- 275 Non-Hodgkin's lymphoma in rheumatoid arthritis *D Porter, R Madhok, H Capell*

# Notes and news

- 277 Carol-Nachman award for rheumatology, 1992 • Osteoarthritis Research Society • EULAR workshop on cartilage and bone research • 4<sup>ème</sup> Congrès Français de Rhumatologie • Myofascial pain and fibromyalgia • Apologies

# Scientific papers

- 278 Correlation of histopathological features of pannus with patterns of damage in different joints in rheumatoid arthritis *S A Allard, K D Muir, R N Maini*
- 284 Uptake and degradation of soluble aggregates of IgG by monocytes of patients with rheumatoid arthritis: relation to disease activity *A H M Heurkens, M L Westedt, F C Breedveld, E Jonge, A Cats, Th Stijnen, M R Daha*
- 290 Prognostic significance of paraproteinaemia in rheumatoid arthritis *Clive Kelly, Gillian Baird, Helen Foster, Harold Hosker, Ian Griffiths*
- 295 Is rheumatoid arthritis in Indians associated with HLA antigens sharing a DRβ<sub>1</sub> epitope? *William E R Ollier, Clare Stephens, Juliette Awad, David Carthy, Arun Gupta, David Perry, Ali Jawad, Hilliard Festenstein*
- 298 HLA typing in families with multiple cases of rheumatoid arthritis *M Strotzer, H Menninger, S Scholz, E D Albert*
- 301 Prevalence and distribution of osteoarthritis in a population from Georgian and early Victorian London *H A Waldron*
- 308 Osteoarthritis of the hip and acetabular dysplasia *P Croft, C Cooper, C Wickham, D Coggon*
- 311 Immunocytochemical analysis of human synovial lining cells: phenotypic relation to other marrow derived cells *N A Athanasou, J Quinn*
- 316 von Willebrand factor antigen and plasminogen activator inhibitor in giant cell arteritis *Elisabeth Nordborg, Rune Andersson, Lilian Tengborn, Staffan Edén, Bengt-Ake Bengtsson*

# Case reports

- 321 Polymyositis, not polymyalgia rheumatica *N D Hopkinson, D J Shawe, J M Gumpel*
- 323 The progressive systemic sclerosis/systemic lupus overlap: an unusual clinical progression *Ronald A Asherson, Heather Angus, John Mathews, Orlando Meyers, Graham R V Hughes*
- 328 Multisystem disease in post-streptococcal arthritis *Avi Livneh, Kumar Sharma, Kathryn L Sewell, Harold D Keiser*

# Dispatch

- 330 From India *V R Joshi*

# Review

- 331 Small intestinal mucosal protection mechanisms and their importance in rheumatology *Seamus O'Mahony, Anne Ferguson*

# Letters to the editor

- 337 'Lupus lymphadenitis' simulating a strangulated femoral hernia in a patient with mixed connective tissue disease *N J Simmonds, B I Hoffbrand*
- 337 Raised concentrations of von Willebrand factor antigen in systemic sclerosis *A D Blann, Karen J Illingworth, M I V Jayson*
- 338 Anticardiolipin antibodies in drug addicted patients with AIDS *Javier Rivera, Indalecio Monteagudo, Javier Lopez-Longo, Eduardo Maldonado, Luis Carreño*
- 338 Disabling ossification of the patellar tendon *R Lagier, J-C Gersner*

# Encore

- 340 A look at recent publications

	<b>Journal summary</b>
341	Editor's resumé
	<b>Leader</b>
343	Polygenic susceptibility in rheumatoid arthritis <i>Paul Wordsworth, John Bell</i>
	<b>Notes and news</b>
347	Calendar of events • Volvo awards for low back pain research 1992
	<b>Scientific papers</b>
348	Heart conduction disturbance: an HLA-B27 associated disease <i>A J Peeters, S ten Wolde, M I Sedney, R R P de Vries, B A C Dijkman</i>
351	Close association of HLA-B51 and B52 in Israeli patients with Behçet's syndrome <i>N Arber, T Klein, Z Meiner, E Pras, A Weinberger</i>
354	Abnormalities of T lymphocyte subsets in systemic sclerosis demonstrated with anti-CD45RA and anti-CD20 monoclonal antibodies <i>Alice Kahan, André Kahan, Françoise Picard, Charles J Menkès, Bernard Amor</i>
359	Retrospective comparison of iloprost with other treatments for secondary Raynaud's phenomenon <i>H R Watson, G Belcher</i>
362	Cytidine deaminase activity, C reactive protein, histidine, and erythrocyte sedimentation rate as measures of disease activity in psoriatic arthritis <i>P S Helliwell, A Marchesoni, M Peters, R Platt, V Wright</i>
366	Lipoprotein (a), lipids, and lipoproteins in patients with rheumatoid arthritis <i>Solbritt Rantapää-Dahlqvist, Solveig Wållberg-Jönsson, Gösta Dahlén</i>
369	Enumeration of IgA producing cells by the enzyme linked immunospot (ELISPOT) technique to evaluate sulphasalazine effects in inflammatory arthritides <i>N Feltius, S Gudmundsson, L Wennersten, O Sjöberg, R Hållgren, L Klareskog</i>
372	Effect of auranofin on cytokine induced secretion of granule proteins from adherent human neutrophils in vitro <i>Johan Richter</i>
376	Serum selenium concentrations in rheumatoid arthritis <i>James R O'Dell, Susan Lemley-Gillespie, William R Palmer, Arthur L Weaver, Gerald F Moore, Lynell W Klassen</i>
379	Activation of inflammatory cells by immune complexes containing IgE in serum and synovial fluid of patients with rheumatoid arthritis: a study using flow cytometric analysis <i>L S De Clerck, N J Struyf, C H Bridts, W J Stevens</i>
383	Inhibition of myeloperoxidase by synovial fluid and serum <i>B Dularay, C M Yea, C J Elson</i>
389	Oxygen derived free radicals and synovial fluid hyaluronate <i>Herkko Saari</i>
	<b>Case report</b>
393	Vestibulocochlear dysfunction in a patient with rheumatoid disease and vasculitis <i>Peter K Merrin, Diana G Macfarlane</i>
	<b>Review</b>
395	Interleukin-1, immune activation pathways, and different mechanisms in osteoarthritis and rheumatoid arthritis <i>Bruce Kirkham</i>
	<b>Hypothesis</b>
401	Sex ratios and hormones in HLA related rheumatic diseases <i>William H James</i>
	<b>Letters to the editor</b>
405	Cytokines in rheumatoid arthritis <i>Paul Kahle, Johannes Saal, Graham Pawelec; Carole Westacott, Angela Swan, Paul Dieppe, John Whicher, Ian Barnes, Douglas Thompson</i>
405	Munchausen's syndrome simulating reflex sympathetic dystrophy <i>Dale Thomas; J Rodriguez-Moreno</i>
406	Rheumatoid factors and the disease state in rheumatoid arthritis <i>D R Stanworth; M G Jones, F C Hay</i>
407	Limb lymphoedema in rheumatoid arthritis <i>Andrew Bamji</i>
	<b>Encore</b>
408	A look at recent publications

	<b>HEBERDEN PAPERS</b>
409	Forewords
	<b>Library use</b>
411	Electronic publishing, the end user, and medical education <i>Shane Godbolt</i>
	<b>Patient education</b>
415	Advances in patient education in rheumatic disease <i>Lauren H Daltroy, M H Liang</i>
418	Patient education and the consultation: the importance of lay beliefs <i>Jenny Donovan</i>
422	Does patient education in rheumatoid arthritis have therapeutic potential? <i>Marian Tucker, John R Kirwan</i>
429	Role of health professionals in patient education <i>Jan A Maycock</i>
435	General public education
	1. Arthritis Care <i>Ann MacFarlane, Jean Gaffin, Roy Jones</i>
	2. Arthritis and Rheumatism Council <i>Martin Seifert</i>
	<b>Doctor education</b>
439	Educating doctors about rheumatology <i>V Wright, P S Helliwell</i>
445	Undergraduate education <i>Paul W Thompson</i>
449	Rheumatology education for general practice <i>Sally A Hull</i>
453	Continuing medical education for the rheumatologist <i>Deborah P M Symmons</i>

	<b>Journal summary</b>
458	Editor's resumé
	<b>Leader</b>
460	Future of specialist journals <i>Stephen Lock</i>
	<b>Notes and news</b>
462	Peer review in biomedical publication • Clinical epidemiology: principles, methods, and applications • Medicine and musicians • Arthritis: a simple examination for early detection and diagnosis • Third international conference on systemic lupus erythematosus • 24th Scandinavian congress of rheumatology
	<b>Scientific papers</b>
463	Dietary fish oil and the severity of symptoms in patients with systemic lupus erythematosus <i>A J E Walton, M L Snaith, M Locniskar, A G Cumberland, W J W Morrow, D A Isenberg</i>

- 467 Clinical signs of early osteoarthritis: reproducibility and relation to x ray changes in 541 women in the general population *D J Hart, T D Spector, P Brown, P Wilson, D V Doyle, A J Silman*
- 471 Two methods of assessment of methotrexate hepatotoxicity in patients with rheumatoid arthritis *P de la M Hall, M J Ahern, L R Jarvis, P Stoll, M A Jenner, H Harley*
- 477 Hepatic methotrexate content and progression of hepatic fibrosis: preliminary findings *M J Ahern, S Kevat, W Hill, P J Hayball, H Harley, P de la M Hall*
- 481 Markers of collagen and basement membrane metabolism in sera of patients with progressive systemic sclerosis *Natalia G Guseva, Natalia V Anikina, Raili Myllylä, Leila Risteli, Juha Risteli, Julia V Chochlova, Kari I Kivirikko, Valentina A Nasonova*
- 487 Different training patterns and bone mineral density of the femoral shaft in elite, female athletes *Roger L Wolman, Leopold Faulmann, Peter Clark, Richard Hesp, Mark G Harries*
- 490 High prevalence of systemic disease and mortality in Asian subjects with systemic lupus erythematosus *A Samanta, J Feehally, S Roy, F E Nichol, P J Sheldon, J Walls*
- 493 Distribution of type VI collagen expression in synovial tissue and cultured synoviocytes: relation to fibronectin expression *J Wolf, S E Carsons*

#### Dispatch

- 497 From around the world *V Wright; Matthew H Liang; J Dequeker; Gerhard L Bach; V R Joshi; A Cats, F C Breedveld; Frank A Wollheim; E Lience; Peter Brooks*

#### Now and then

- 503 Rheumatology in the past *F Dudley Hart*
- 505 Rheumatology in the future *A M Denman; Alan J Silman*

#### Review

- 507 Combination chemotherapy in rheumatoid arthritis *P M Brooks, A C Schwarzer*

#### Perspectives in rheumatology

- 510 A note on the history of the journal *J T Scott*
- 512 History of books and journals and periodicals in rheumatology *E G L Bywaters*
- 517 Art, history, and rheumatism: the case of Erasmus of Rotterdam 1466-1536 suffering from pustulotic arthro-osteitis *J Dequeker*
- 522 Quality assurance and audit: lessons from North America *Matthew H Liang, Paul Fortin*

#### Letters to the editor

- 526 Drugs and the elderly *T Pullar; H A Bird*
- 526 Cryptosporidial enteritis complicated by conjunctivitis *Stephen T Green, Vivienne Scott, James McMenamin, David J Goldberg, W Campbell Love*
- 526 Raised plasma concentrations of endothelin-1 in systemic lupus erythematosus *Heikki Julkunen, Outi Sajonmaa, Carola Grönhagen-Riska, Anna-Maija Teppo, Frej Fyhrquist*
- 527 Mycoplasmas and human arthritis *Elli Jansson, Kati Hakkarainen, Ari Miettinen, Kari Kaitila, Matti Karpelin*

#### Encore

- 528 A look at recent publications

No 8 AUGUST 1991

#### Journal summary

- 529 Editor's resumé

#### Leader

- 531 Diffuse pigmented villonodular synovitis: non-surgical management *J M Gumpel, D J Shave*

#### Notes and news

- 534 South African Rheumatism and Arthritis Association • Sixth international conference on Behçet's disease • British Cervical Spine Society • Joint destruction in arthritis and osteoarthritis • Normal, osteoarthritic, and therapeutic regulation of cartilage • Immunotherapy of the rheumatic diseases

#### Scientific papers

- 535 Osteoarthritis in the elderly: clinical and radiological findings in 79 and 85 year olds *E Bagge, A Bjelle, S Edén, A Swanborg*
- 540 Osteoarthritis of the hip and osteoporosis of the proximal femur *C Cooper, P L Cook, C Osmond, L Fisher, M I D Cawley*
- 543 Haemostatic factors associated with vascular thrombosis in patients with systemic lupus erythematosus and the lupus anticoagulant *Takehito Mayumi, Kohei Nagasawa, Toyoshi Inoguchi, Yasuo Yamauchi, Yoshitomo Ishii, Yoshifumi Tada, Fumio Umeda, Yoshiyuki Niho*
- 548 Lupus anticoagulant: clinical significance in anticardiolipin positive patients with systemic lupus erythematosus *N J McHugh, D A H Moyo, I E James, M Sampson, P J Maddison*
- 553 Prevalence of antiphospholipid antibodies in patients with fetal loss *Henk Jan Out, Hein W Bruinse, Godelieve C M L Christiaens, Marja van Vliet, Jan F Meilof, Philip G de Groot, Rund J T Smeenk, Ronald H W M Derksen*
- 558 Evidence for a promoter of urate crystal formation in gouty synovial fluid *Neil W McGill, Paul A Dieppe*
- 562 High molecular weight glycosaminoglycans in AA type amyloid fibril extracts from human liver *Jeanette H Magnus, Svein O Kolset, Gunnar Husby*
- 567 In vitro platelet aggregability studies: lack of evidence for platelet hyperactivity in systemic sclerosis *J E Price, P S Klimiuk, M I V Jayson*

#### Case reports

- 572 An unusual presentation of gonococcal arthritis in an HIV positive patient *Ira S Strongin, Scott A Kale, Michael K Raymond, Roberta L Lusk, Gerald W Weisberg, Joshua J Jacobs*
- 574 Clinical and biological characteristics of *Ureaplasma urealyticum* induced polyarthritis in a patient with common variable hypogammaglobulinaemia *R R Lehmer, B S Andrews, J A Robertson, E J Stanbridge, L de la Maza, G J Friou*
- 577 Breast vasculitis in association with breast gigantism in a pregnant patient with systemic lupus erythematosus *D J Propper, D M Reid, L Stankler, C J Eastmond*
- 579 Interleukin 2 production in a family with systemic lupus erythematosus and a C4Q0 heterozygous inheritance *Carmen Gutierrez, Esther Cabrero, José L Vicario, Manuel Martín Villa, Miguel A Rengel, Francisco J Gomez Campdera, Miguel Yebra, Eduardo Fernández-Cruz, Antonio Arnais Villena*

#### Technical test

- 583 Measurement of haematological indices of chronic rheumatic disease with two newer generation automated systems, the H1 and H6000 (Technicon) *L Turner-Stokes, D Jones, K G Patterson, A Todd-Pokropek, D A Isenberg, A H Goldstone*



No 9 SEPTEMBER 1991

- Review**  
588 Haemophilic arthritis *Rajan Madhok, John York, Roger D Sturrock*
- Encore**  
592 A look at recent publications
- Journal summary**  
593 Editor's resumé
- Leader**  
595 Antinuclear antibodies and juvenile chronic arthritis (JCA): search for a specific autoantibody associated with JCA  
*T R Southwood, P N Malleon*
- Scientific papers**  
599 Prevalence of anticardiolipin antibodies in juvenile chronic arthritis *R Caporali, A Ravelli, F De Gennaro, G Neirotti, C Montecucco, A Martini*  
602 Insulin-like growth factor and growth hormone secretion in juvenile chronic arthritis *Roger C Allen, Mark Jimenez, Christopher T Cowell*  
607 Reduction in IgG galactose in juvenile and adult onset rheumatoid arthritis measured by a lectin binding method and its relation to rheumatoid factor *N Sumar, D A Isenberg, K B Bodman, A Soltys, A Young, A M Leak, J Round, F C Hay, I M Roitt*  
611 Antiperinuclear factor, a marker autoantibody for rheumatoid arthritis: colocalisation of the perinuclear factor and profilaggrin *R M A Hoet, A M Th Boerbooms, M Arends, D J Ruiter, W J van Venrooij*  
619 Polymyalgia rheumatica and rheumatoid arthritis of the elderly: a clinical, laboratory, and scintigraphic comparison  
*H Hantzschel, H A Bird, W Seidel, W Krüger, G Neumann, G Schneider, V Wright*  
623 Comparison of clinical, radionuclide, and radiographic features of osteoarthritis of the hands *D G Macfarlane, J C Buckland-Wright, P Emery, I Fogelman, B Clark, J Lynch*  
627 Osteophytes in the osteoarthritic hand: their incidence, size, distribution, and progression *J C Buckland-Wright, D G Macfarlane, J A Lynch*  
631 Effects of pyrazinamide, probenecid, and benzobromarone on renal excretion of oxypurinol *Tetsuya Yamamoto, Yuji Moriwaki, Sumio Takahashi, Michio Suda, Kazuya Higashino*  
634 Response to intradermal injection of monosodium urate crystals in Behçet's syndrome *N Cakir, H Yazici, M A Chamberlain, C G Barnes, S Yurdakul, S Atasoy, A Akcasu, A Iscimen*  
637 In vitro effects of methotrexate on peripheral blood monocytes: modulation by folic acid and S-adenosylmethionine  
*Gideon Nesher, Terry L Moore, Robert W Dörner*
- Case reports**  
642 *Nocardia asteroides* pneumonia complicating low dose methotrexate treatment of refractory rheumatoid arthritis  
*J J Cornelissen, L J Bakker, M J Van der Veen, M Rozenberg-Arsk, J W J Bijlsma*  
645 Meningitis associated with sulphasalazine in a patient with Sjögren's syndrome and polyarthritis *P Merrin, I A Williams*
- Rapid report**  
647 Childhood eosinophilic fasciitis presenting as inflammatory polyarthritis and associated with selective IgA deficiency  
*Daniel W T Ching, John P Petrie*
- Dispatch**  
649 From Yugoslavia *T Dürriegl*
- Now and then**  
651 Getting out and about with arthritis: or not? *M A Chamberlain*
- Review**  
653 Juvenile chronic arthritis, chronic iridocyclitis, and reactivity to histones *Alison M Leak, Patricia Woo*
- Letters to the editor**  
658 Worsening of Felty's syndrome with methotrexate *Francis Guillemin, Jacques Pourcel*  
658 Lymphoedema complicating rheumatoid arthritis *J E Dippy*  
658 Smoking and back pain *E Ernst*  
658 Rheumatology in Dar-es-Salaam, Tanzania *P E McGill*  
659 Increased serum cytidine deaminase activity in gout and articular chondrocalcinosis *J Rovenský, M Stančíková, K Bošmanský, M Kovalančík*
- Encore**  
660 A look at recent publications

No 10 OCTOBER 1991

- Journal summary**  
661 Editor's resumé
- Leader**  
663 Treatment of osteoporosis: current and future *M D Stone, D J Hosking*  
666 Connective tissue disease in patients presenting with Raynaud's phenomenon alone *C G M Kallenberg*
- Notes and news**  
668 Ehlers-Danlos syndrome • 7th APLAR congress of rheumatology • European Rheumatologists in Training—travel bursaries • International symposium of immunorheumatology • AA Helpline • International symposium on osteoporosis
- Scientific papers**  
669 Hypoxanthine, xanthine, and urate in synovial fluid from patients with inflammatory arthritides *Björn Gudbjörnsson, Andrej Zak, Frank Niklasson, Roger Hallgren*  
673 Immunohistological analysis of the synovial membrane: search for predictors of the clinical course in rheumatoid arthritis *Muriel Soden, Madeleine Rooney, Alex Whelan, et al*  
677 Comparative study of C reactive protein and serum amyloid A protein in experimental inflammation *R E Chambers, C W Hutton, P A Dieppe, J T Whicher*  
680 Drug interactions in arthritic patients *I E Buchan, H A Bird*  
682 Symptomatic salicylate ototoxicity: a useful indicator of serum salicylate concentration? *James T Halla, Susan L Atchison, Joe G Hardin*

- 685 Neutrophil function in patients with primary Sjögren's syndrome: relation to infection propensity  
*Björn Gudbjörnsson, Nils Feltelius, Roger Hällgren, Per Venge*
- 691 T cell receptor expression in Sjögren's syndrome *A Zumla, M Mathur, Jane Stewart, et al*
- 694 Late complications after a *Yersinia enterocolitica* epidemic: a follow up study *H Lindholm, R Visakorpi*
- 697 Candida arthritis: cellular immune responses of synovial fluid and peripheral blood lymphocytes to *Candida albicans*  
*Elisabeth Hermann, Werner-J Mayet, Orwin Klein, et al*
- 702 Systemic lupus erythematosus in the elderly: clinical and immunological characteristics *Josep Font, Lucio Pallarés, Ricard Cervera, et al*
- 706 Serum soluble interleukin 2 receptor in systemic lupus erythematosus: effects of disease activity and infection  
*K L Wong, R P O Wong*
- 710 Blood rheology in lupus erythematosus *E Ernst, A Hein, M Meurer, T Ruzicka*
- Case reports**
- 713 Acquired C1 inhibitor deficiency associated with systemic lupus erythematosus affecting the central nervous system  
*Shotaro Nakamura, Mototaka Yoshinari, Yoshisuke Saku, et al*
- 717 Pseudo-septic arthritis: an unusual presentation of neuropathic arthropathy *Worawit Louthrenoo, Barbara E Ostrov, Young S Park, et al*
- 722 Septic arthritis complicating hip osteoarthritis *S Donell, D M Williamson, D L Scott*
- 724 Pneumococcal septic arthritis after splenectomy in Felty's syndrome *Maciej Brzeski, Leslie Smart, Dugald Baird, et al*
- Masterclass**
- 727 Diagnosis and management of algodystrophy *Michael D Chard*
- Review**
- 731 Immune functions and inflammatory reactions in HLA-B27 positive subjects *Risto Terti, Paavo Toivanen*
- Hypothesis**
- 735 Heat shock proteins: the missing link between hormonal and reproductive factors and rheumatoid arthritis?  
*José António P da Silva*
- Encore**
- 740 A look at recent publications

No 11 NOVEMBER 1991

- Journal summary**
- 741 Editor's resumé
- Leader**
- 743 Urticarial vasculitis and syndromes in association with connective tissue diseases *Ronald A Asherson, Richard Sontheimer*
- 745 Essential fatty acids and inflammation *B Zurier*
- Scientific papers**
- 747 Neurogenic component of different models of acute inflammation in the rat knee joint *Francis Y Lam, William R Ferrell*
- 752 Human heart sacrolemmal sheath antibodies in children with non-suppurative sequelae of group A streptococcal infections: a follow up study *H A Majeed, A M Yousof, J Pokorny, R Bicova, G Bahr, K Behbahani, J Rotta*
- 755 Paraspinal muscle fibrosis: a specific pathological component in ankylosing spondylitis *R G Cooper, A J Freeman, R Fitzmaurice, S M Alami, M I V Jayson*
- 760 Localisation of xanthine oxidase to synovial endothelium *C R Stevens, M Benboubetra, R Harrison, T Sahinoglu, E C Smith, D R Blake*
- 763 Absence of an association between HLA typing in cystic fibrosis arthritis and hypertrophic osteoarthropathy  
*Perry J Rush, Dafna D Gladman, Abraham Shore, Karen A B Anhorn*
- 765 Distribution of the *HindIII* restriction fragment length polymorphism among patients with systemic lupus erythematosus with different concentrations of CR1 *Hironobu Satoh, Eisuke Yokota, Kumihiko Tokiyama, Tatsuo Kawaguchi, Yoshiyuki Niho*
- 769 Absence of autoimmunity to type II collagen in generalised nodal osteoarthritis *R B Clague, K Morgan, I Collins, M Patrick, M Doherty*
- 772 Cross reaction of antibodies to a glycine/alanine repeat sequence of Epstein-Barr virus nuclear antigen-1 with collagen, cytokeratin, and actin *C Baboonian, P J W Venables, D G Williams, R O Williams, R N Maini*
- 776 Ankylosing spondylitis: an autoimmune disease? *H-J Lakomek, M Plomann, C Specker, M Schwöchau*
- 782 Determination of oxygen radical production in spondyloarthropathies by whole blood chemiluminescence *Matti Ristola, Marjatta Leirisalo-Repo, Heikki Repo*
- 787 Immunolocalisation of type VI collagen in the intervertebral disc *S Roberts, S Ayad, P J Menage*
- 792 Morphometric analysis of blood vessels in synovial membranes obtained from clinically affected and unaffected knee joints of patients with rheumatoid arthritis *O Fitzgerald, Muriel Soden, Ghada Yamni, R Robinson, B Bresnihan*
- 797 Effect of misoprostol on concentrations of prostaglandins in synovial fluid *A Doube, J Davies, L Notarianni, K Holgate, G C Fenn*
- 800 A double blind, randomised, multicentre comparison of two doses of intravenous iloprost in the treatment of Raynaud's phenomenon secondary to connective tissue diseases *Helen I Torley, Rajan Madhok, Hilary A Capell, R M L Brouwer, P J Maddison, C M Black, H Englert, J A Dormandy, H R Watson*
- 805 Antiphospholipid syndrome: five year follow up *Ronald A Asherson, Elaine Baguley, Chobie Pal, Graham R V Hughes*
- Case reports**
- 811 Coexisting *Pneumocystis carinii* pneumonia, cytomegalovirus pneumonitis and salmonellosis in systemic lupus erythematosus *K H Leong, M L Boey, P H Feng*
- 813 Calcitonin treatment for intersternocostoclavicular ossification: clinical experience in two cases *Takashi Misaki, Shigeharu Dokoh, Eigo Mori*
- 817 Detection of antineutrophil cytoplasmic antibody in a patient with L-tryptophan induced eosinophilia-myalgia syndrome *Ana M Cihursu, James Goeken, Richard R Olson*
- 820 Haemarthrosis due to fracture through amyloid deposits in bone in Portuguese familial amyloidosis *S A Allard, R H M King, P K Thomas, B E Bourke*
- Dispatch**
- 823 From Britain *V Wright*
- Now and then**
- 824 Ranges of movement at the shoulder complex using an electromagnetic movement sensor *G R Johnson, N C M Fyfe, M Heward*

# Reviews

- 828 Vascular endothelium, cytokines, and the pathogenesis of inflammatory synovitis *Arvind Kaul, David R Blake, Jeremy D Pearson*
- 833 Feedback regulation of antibody production: a role in rheumatoid arthritis? *J K Kalsi, N D Hall*

# Encore

- 836 A look at recent publications

Suppl 4 NOVEMBER 1991

# HEBERDEN PAPERS

- 837 Foreword *Carol M Black*

# Leader

- 839 Raynaud's phenomenon: its relevance to scleroderma *Jill J F Belch*
- 846 Epidemiology of scleroderma *Alan J Silman*
- 854 Clinical aspects of systemic sclerosis (scleroderma) *Richard M Silber*
- 862 Major histocompatibility complex class II genes and systemic sclerosis *David Briggs, K I Welsh*
- 866 The endothelium: its role in scleroderma *Jeremy D Pearson*
- 872 Transcriptional control mechanisms for the expression of type I collagen genes *Benoit de Crombrughe, Tuula Vuorio, Gerard Karsenty, Sankar Maity, E Cristy Ruthesouser, Howard Goldberg*
- 877 Treatment of systemic sclerosis *T A Medsger Jr*
- 887 Mixed connective tissue disease, overlap syndromes, and eosinophilic fasciitis *P J Maddison*

No 12 DECEMBER 1991

# Journal summary

- 895 Editor's resumé

# Leader

- 897 Sex hormone modulation in systemic lupus erythematosus: still a therapeutic option? *Ronald A Asherson, Robert G Lahita*

# Notes and news

- 899 1991 Medical Journalists' Association pain relief award • Alessandro Robecchi prize • Osteoarthritis of the knee • Rheumatic diseases in pregnancy • XIIth European workshop for rheumatology research • Seminar in advanced rheumatology

# Scientific papers

- 900 Systemic lupus erythematosus patient guide: influence on knowledge of the disease *Yrjö T Kontinen, Nina Santavirta, Visa Honkanen, et al*
- 903 Inhibitory effects of anticardiolipin antibodies on lymphocyte proliferation and neutrophil phagocytosis *Chia-Li Yu, Kuang-Hui Sun, Chang-Youh Tsai, et al*
- 909 Immunopathology of subcutaneous rheumatoid nodules *O J Mellbye, Ø Førre, T E Mollnes, et al*
- 913 Exacerbation of rheumatoid arthritis in patients treated with methotrexate after administration of folic acid *David A Joyce, Robert K Will, David M Hoffman, et al*
- 915 Inactivation of the elastase inhibitory activity of  $\alpha_1$  antitrypsin in fresh samples of synovial fluid from patients with rheumatoid arthritis *Keith Chidwick, Paul G Winyard, Zhi Zhang, et al*
- 917 Comparative study of intra-articular pressure dynamics in joints with acute traumatic and chronic inflammatory effusions: potential implications for hypoxic-reperfusion injury *P Merry, R Williams, N Cox, et al*
- 921 Thermography in the detection and follow up of chondromalacia patellae *M Vujčić, R Nedeljković*
- 926 Referrals to a rheumatology unit: an evaluation of the views of patients, general practitioners, and consultants *D J Walker, I D Griffiths, C M Leon*
- 930 Clinical experience with pamidronate in the treatment of Paget's disease of bone *Stephen J Gallacher, Brendan F Boyce, Uday Patel, et al*
- 934 Rheumatic symptoms following an outbreak of campylobacter enteritis: a five year follow up *Tomas Bremell, Anders Bjelle, Åke Svedhem*
- 939 Survival of calcium pyrophosphate crystals in stored synovial fluids *Neil W McGill, Angela Swan, Paul A Dieppe*
- 942 Treatment of polymyalgia rheumatica with intramuscular injections of depot methylprednisolone *Bhaskar Dasgupta, Jeremy Gray, Luke Fernandes, et al*
- 946 Deposition of eosinophil cationic protein in vascular lesions in temporal arteritis *Roger Hällgren, Björn Gudbjörnsson, Erik Larsson, et al*

# Case reports

- 950 Deposition of calcium pyrophosphate dihydrate crystals in a soft tissue chondroma *N A Athanasou, M Caughey, P Burge, et al*
- 953 Coexistent Felty's syndrome and palindromic rheumatism *Ricardo E Alvarar, Lois O'Grady, Dick Robbins*
- 956 Bronchiolitis obliterans in systemic lupus erythematosus: beneficial effect of intravenous cyclophosphamide *Bertrand Godeau, Catherine Cormier, Charles Joël Menkes*

# Masterclass

- 959 Management of the antiphospholipid syndrome *Munther A Khamashta, Tim Wallington*

# Now and then

- 963 Mozart's death *R Treves*

# Review

- 965 Rheumatoid arthritis in sub-Saharan Africa *Paul McGill*

# Letters to the editor

- 967 Septic arthropathy complicating apatite associated destructive arthritis *R P Bendall, S K Jacobson, A Adebajo*
- 967 Degradation of human cartilage by cytokines in vitro *J J Niefeld, B Wilbrink, O Huber-Brumling, et al*
- 968 Long term evolution of adult onset Still's disease seen in an infectious diseases department *Bertrand Godeau, Catherine Lepout, Christian Perronne, et al*
- 968 Septic arthritis due to *Nocardia caviae* *N P Torre, B K Kim*
- 969 Sex ratios in HLA related autoimmune disease *Helen Foster, Clive Kelly, Ian Griffiths*
- 969 Nanocolloid scintigraphy for rheumatic diseases of the hands *D Van Linthoudt, H Ou*
- 970 Spondyloarthropathies and IgA deficiency *H G Taylor, P T Dawes*

# Encore

- 971 A look at recent publications

- 973 Subject index

- 979 Author index



